

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown in accordance with the mandatory amendment format.

1.-8. (Cancelled)

9. (Currently Amended) A communications device comprising:

a transmitter coupled to an antenna array, the antenna array comprising a plurality of antenna elements, the transmitter operable to transmit a calibration burst by:

transmitting a first waveform from a first antenna element of the plurality of antenna elements, the first waveform comprising a combined signal that is a combination of two or more signals; and

transmitting a second waveform from two or more antenna elements ~~from~~ of the plurality of antenna elements, the second waveform comprising the two or more signals each transmitted from an antenna element of the two or more antenna elements corresponding to each signal;

~~wherein the first waveform comprises a combined signal, the combined signal comprising a combination of two or more signals, and wherein the second waveform comprises the two or more signals, each signal corresponding with one antenna element from the two or more antenna elements.~~

10. (Previously Presented) The communications device of claim 9, wherein the first antenna element is one of the two or more antenna elements.

11. (Previously Presented) The communications device of claim 9, wherein the second waveform comprises a sum of the two or more signals.
12. (Previously Presented) The communications device of claim 9, wherein the communications device comprises a base station of a radio communications network.
13. (Previously Presented) The communications device of claim 12, wherein the calibration burst is transmitted to a user terminal of the radio communications network, the user terminal being operable to use the calibration burst to assist in calibrating the base station.
14. (Cancelled)
15. (Previously Presented) The communications device of claim 9, wherein the first antenna element comprises a reference element with respect to which the other antenna elements are calibrated.
16. (New) The communications device of claim 9, wherein the communications device comprises a subscriber unit.
17. (New) A method comprising:
- receiving a first waveform from a first antenna element of a plurality of antenna elements, the first waveform comprising a combined signal that is a combination of two or more signals; and
- receiving a second waveform from two or more antenna elements of the plurality of antenna elements, the second waveform comprising the two or more signals each transmitted from an antenna element of the two or more antenna elements corresponding to each signal.

18. (New) The method of claim 17, wherein the first antenna element is one of the two or more antenna elements.

19. (New) The method of claim 17, wherein the second waveform comprises a sum of the two or more signals.

20. (New) The method of claim 17, further comprising utilizing, by a user terminal of a radio communications network, the first and second waveforms to assist in calibrating a base station of the radio communications network.

21. (New) The method of claim 17, wherein the first antenna element comprises a reference element with respect to which the other antenna elements are calibrated.

22. (New) A method, comprising:

transmitting from a subscriber unit a first waveform from a first antenna element of a plurality of antenna elements coupled to the subscriber unit, the first waveform comprising a combined signal that is a combination of two or more signals; and

transmitting from the subscriber unit a second waveform from two or more antenna elements of the plurality of antenna elements, the second waveform comprising the two or more signals each transmitted from an antenna element of the two or more antenna elements corresponding to each signal;

wherein the subscriber unit is coupled to an antenna array, the antenna array comprising the plurality of antenna elements.

23. (New) The method of claim 22, wherein the subscriber unit is a radio transceiver remote to an array-equipped transceiver and transmits the first and second waveforms to the array-equipped transceiver.
24. (New) The method of claim 22, wherein the first antenna element is one of the two or more antenna elements.
25. (New) The method of claim 22, wherein the second waveform comprises a sum of the two or more signals.
26. (New) The method of claim 22, further comprising utilizing the first and second waveforms by a receiver of the first and second waveforms to assist in calibrating the receiver.
27. (New) The method of claim 22, wherein the first antenna element comprises a reference element with respect to which the other antenna elements are calibrated.